AMENDMENTS TO THE CLAIMS

1.   (Currently amended) A system for detecting a neurological injury <u>as having a</u> <u>secondary injury associated with neurotrauma</u> in a subject, said system comprising:

a computing device comprising:

at least one <u>distal</u> signal emitter attachable to a first position on the subject to emit an electrical signal generated by the computing device into the subject such that the electrical signal is communicated to a nerve in proximity to the first position;

at least one signal detector attachable to ~~the~~ <u>a</u> second position <u>in electrical</u> <u>communication with a subject central nervous system</u> on the subject to detect the electrical signal transmitted by the nerve <u>as neural conductivity</u>;

a processor for comparing a threshold reference value with the detected electrical signal and indicating neurological injury when the detected electrical signal is beyond a preselected range of the reference value; and

a display providing indication of neurological injury <u>as having a secondary injury</u> <u>associated with neurotrauma</u>.

2.   (Currently amended) The system of claim 1 further comprising a biochemical analyzer sampling a biological fluid obtained from the subject for the presence of chemical species or concentrations indicative of <u>the</u> neurological injury.

3.   (Currently amended) The system of claim 1 wherein ~~the~~ <u>a</u> database is comprised of signal strengths for various positions and muscle groups of the subject.

4.   (Original) The system of claim 1 wherein the computing device provides a user

with instruction for positioning the at least one emitter and the at least one detector on the

subject.

5.   (Currently amended) The system of claim ~~1~~ 7 further comprising a wireless

transmitter coupled to the computing device communicating the indication of neurological injury

and input.

6.   (Original) The system of claim 1 further comprising a user interface for data

input to the computing device.

7.   (Original) The system of claim 1 further comprising an ancillary monitoring

device providing the computing device with an input relating to a physiological parameter of the

subject.

8.   (Original) The system of claim 2 wherein the computing device provides

suggested pharmaceutical treatment protocols for the subject.

9.   (Original) The system of claim 1 in combination with a kit of neurologically

active pharmaceuticals and at least one device for introducing a pharmaceutical into the subject.

10.   (Currently amended) A process for detecting a neurological injury as having a

secondary injury associated with neurotrauma in a subject comprising:

attaching ~~an~~ a distal emitter at a first position and a detector at a second position to the

subject in electrical communication with a subject central nervous system;

emitting an electrical signal from a computing device into the subject at the first position

via the emitter;

detecting the electrical signal transmitted by a nerve at the second position with the

detector as neural conductivity;

comparing the detected electrical signal with a threshold reference value in the computing

device;

indicating a neurological injury when the detected electrical signal is beyond a

preselected range of the reference value as having a secondary injury associated with

neurotrauma.

11.   (Original) The process of claim 10 further comprising sampling a biological fluid

obtained from the subject for the presence of chemical species or concentrations indicative of

neurological injury.

12.   (Currently amended) The process of claim 10 further comprising providing

suggestions to a user for selecting a pharmaceutical for treating the neurological injury of the

subject.

13.   (Original) The process of claim 10 further comprising communicating at least

one of the detected electrical signal or indicated neurological injury to a remote location.